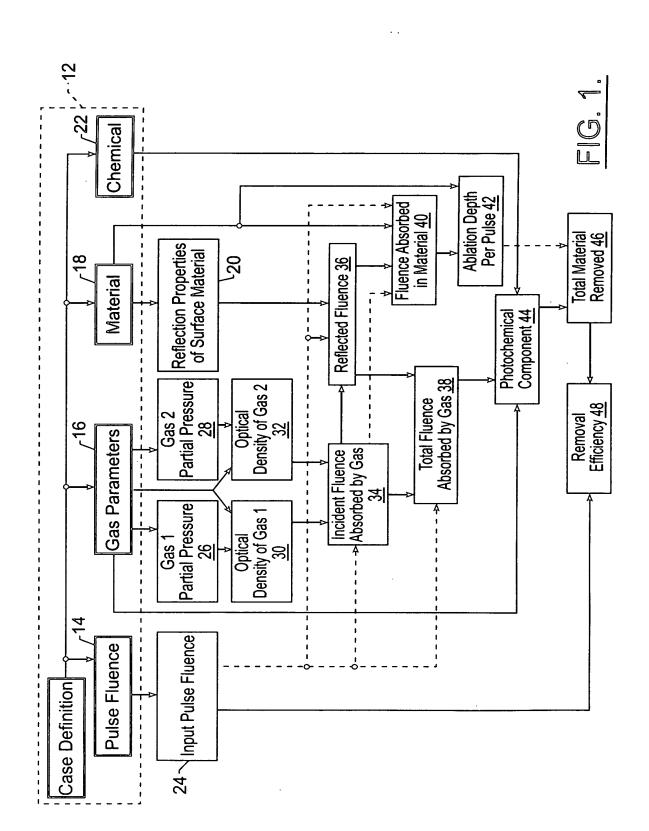
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Elliott et al.

10/042,509 Predictive Algorithmic Model

Filing Date: Attorney:

January 2, 2002 Jason D. Shanske, Reg. No. 43,915



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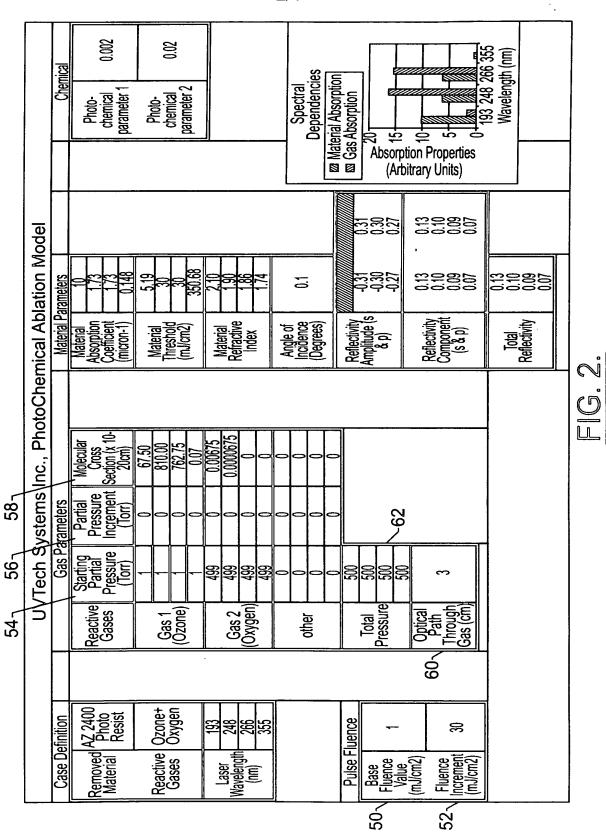
Elliott et al.

10/042,509

Predictive Algorithmic Model January 2, 2002

Filing Date: Attorney:

Jason D. Shanske, Reg. No. 43,915



Applicant:

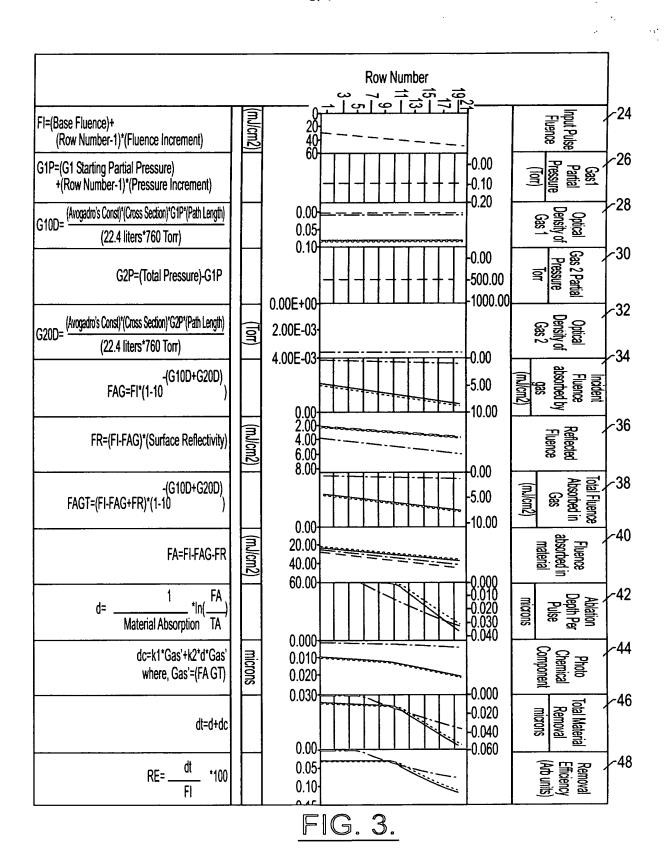
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10/042,509 Predictive Algorithmic Model January 2, 2002

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/48			Removal	Efficiency	(arbitrary	(Spirits)	0.24	0.24	0.24	0.25	0.25	0.25	0.25	0.26	0.26	0.27	0.27	0.28	0.29	0.31	0.33	0.35	0.39	0.45	0.55	0.03	
/46		microns			Total Material	Removal	1.367	1.304	1.241	1.178	1.116	1.054	0.992	0.930	0.868	0.806	0.744	0.682	0.619	0.556	0.491	0.424	0.353	0.274	0.171	0.000	
/44		microns		Photo		Component	0.927	0.870	0.813	0.756	0.700	0.645	0.590	0.536	0.483	0.431	0.379	0.329	0.279	0.231	0.185	0.140	0.097	0.058	0.023	0.000	
_[42		microns		Ablation	_	Pulse	0.439	0.434	0.428	0.422	0.416	0.409	0.401	0.393	0.385	0.375	0.365	0.353	0.340	0.324	0.306	0.284	0.256	0.216	0.148	0.000	
_/ 40	/	(mJ/cm2)		Fluence	absorbed in	material	419.57	397.53	375.48	353.44	331.39	309.35	287.31	265.26	243.22	221.17	199.13	177.09	155.04	133.00	110.95	88.91	66.87	44.82	22.78	0.73	
/38	/	(mJ/cm2)		Total Fluence	Absorbed in	Gas	85.99	81.47	76.95	72.44	67.92	63.40	58.88	54.36	49.85	45.33	40.81	36.29	31.78	27.26	22.74	18.22	13.70	9.19	4.67	0.15	
/36	_	(mJ/cm2)				Fluence	60.65	57.46	54.28	51.09	47.91	44.72	41.53	38.35	35.16	31.97	28.79	25.60	22.41	19.23	16.04	12.85	9.67	6.48	3.29	0.11	
/34	_	(mJ/cm2)	Incident	Fluence	absorbed by	gas	90.78	86.01	81.24	76.47	71.70	66.93	62.16	57.39	52.62	47.85	43.08	38.31	33.55	28.78	24.01	19.24	14.47	9.70	4.93	0.16	
/32				Optical	_	Gas 2	0.003573226	0.003573226	0.003573226	0.003573226	0.003573226	0.003573226	0.003573226	0.003573226	0.003573226	0.003573226	0.003573226	0.003573226	0.003573226	0.003573226	0.003573226	0.003573226	0.003573226	0.003573226	0.003573226	0.003573226	
30		(Torr)			Gas 2 Partial	Pressure	T	99.00		99.00	99.00	99.00	99.00	99.00		99.00		99.00		_			99.00	99.00	499.00	499.00	
3 /28	_			Optical	*=	Gas 1	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	
24 _/ 26	_	(Torr)		Gas1	Partial		_	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
/2	\ u	(mJ/cm2)			Input Pulse	Fluence	571	541	511	481	451	421	391	361	331	301	271	241	211	181	151	121	9	9	33	_	
	193 nm				Row	Number	20	19	18	17	16	15	14	13	12	11	10	6	8	7	9	2	4	က	2	_	